



# Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

## COOL, WET WEATHER SLOWS PROGRESS BUT RESTORES SOIL MOISTURE

Steady rains and cool weather early in the week slowed planting but restored needed soil moisture supplies to emerging crops, according to the USDA, NASS, Minnesota Field Office. As of May 16, topsoil moisture supplies were rated 94 percent adequate to surplus compared to 84 percent in the previous reporting period. Precipitation averaged .60 inch above normal statewide. Above average temperatures returned on Friday and continued through the weekend allowing fields to dry and some field work to resume; however producers reported that crops need more warm temperatures to recover from the nearly two-week spell of wet, cool weather. Only 1.4 days were rated suitable for fieldwork.

Soybeans advanced to 47 percent planted, compared to 49 percent last year and 38 percent for the five-year average. Corn emergence was at 52 percent, 16 percentage points ahead of last year and 24 points ahead of average.

Ninety-five percent of spring wheat and 93 percent of barley was emerged with both crops at 4 percent jointing. Oats were 94 percent emerged with 7 percent jointing. Crop conditions for all three small grains were primarily rated good to excellent.

Canola and green pea planting was at 92 and 89 percent complete respectively, both ahead of last year and average. Sweet corn was 38 percent planted, two points ahead of last year and 9 points ahead of average. Sugarbeet condition was virtually unchanged from the previous reporting period with 79 percent rated in good to excellent condition.

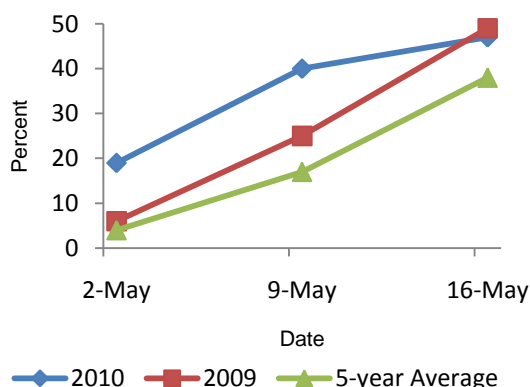
Pasture and range condition was rated 4 percent very poor, 3 percent poor, 22 percent fair, 59 percent good, and 12 percent excellent.

Days Suitable for Fieldwork: 1.4				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	2	4	78	16

Crop Progress as of May 16, 2010					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Planted	95	94	89	82
Corn	Emerged	52	32	36	28
Soybeans	Land Prepared	71	66	66	54
Soybeans	Planted	47	40	49	38
Soybeans	Emerged	5	1	3	4
Spring Wheat	Emerged	95	87	17	42
Spring Wheat	Jointing	4	0	0	0
Barley	Emerged	93	85	18	38
Barley	Jointing	4	1	0	0
Oats	Emerged	94	81	63	63
Oats	Jointing	7	3	0	1
Potatoes	Planted	78	76	71	76
Green Peas	Planted	89	81	81	67
Sunflowers	Planted	32	26	3	24
Canola	Planted	92	86	4	34
Dry Beans	Planted	5	3	11	19
Sweet Corn	Planted	38	29	36	29
Alfalfa	First Cutting	5	1	0	0

Condition as of May 16, 2010					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	4	3	22	59	12
Oats	0	1	10	69	20
Spring Wheat	0	1	6	67	26
Barley	0	2	5	50	43
Sugarbeets	0	3	18	71	8
Corn	0	5	15	70	10

### Soybeans Planted



The following links provide further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:  
<http://climate.umn.edu/doc/weekmap.asp>

National Weather Service's Minnesota Data:  
<http://www.nws.noaa.gov/view/states.php?state=MN>

U.S. Drought Monitor:  
<http://drought.unl.edu/dm/monitor.html>

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING MAY 16, 2010:  
Temperatures averaged from 8.0 degrees below normal in the West Central, Southwest Districts to 2.8 degrees below normal in the Northwest District. Extremes: 25 degrees in Hibbing; 78 degrees in Red Wing. Average precipitation ranged from 0.21 inch above normal in the Northwest, North Central District to 0.97 inch above normal in the Central District. Greatest weekly total of 2.55 inches was recorded in Pipestone.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 5/10/2010 through 5/16/2010

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since April 23	Depart from Norm
<u>NW DIST 1</u>										
Crookston	77	41	52.6	-2.9	.41	-.10	.94	.63	128	-38
Itasca	74	39	49.0	-2.5	.75	.17	1.33	1.02	100	-18
Moorhead	76	41	52.6	-3.9	1.05	.49	1.59	1.24	128	-50
Warroad	76	37	49.8	-2.0	.78	.28	.94	.67	106	-16
<u>NC DIST 2</u>										
Grand Rapids	76	35	49.9	-3.5	.79	.19	.92	-.05	119	-22
Intl. Falls	76	31	49.0	-3.5	.76	.24	.75	.18	107	-22
<u>NE DIST 3</u>										
Duluth	74	31	48.0	-3.0	1.18	.56	-.08	-.87	80	-30
Grand Marais	60	31	45.4	-1.2	1.22	.68	.42	-.18	29	-35
Hibbing	75	25	47.2	-4.7	.85	.31	.65	.23	119	-3
<u>WC DIST 4</u>										
Alexandria	73	36	49.9	-5.5	1.46	.83	.24	-.14	98	-68
Browns Valley	75	31	47.4	-9.9	.77	.27	1.08	.23	96	-96
Canby	74	33	49.5	-8.5	1.18	.57	.04	-1.21	130	-68
Dalton	74	38	49.4	-6.9	.86	.30	.53	.43	100	-75
Montevideo	75	30	48.0	-9.2	1.10	.43	.15	-1.12	128	-58
Morris	75	36	48.8	-8.2	1.38	.78	.18	.15	100	-86
Wheaton	76	33	48.8	-7.8	.82	.29	.39	.04	104	-74
<u>CENT DIST 5</u>										
Becker	70	36	49.2	-7.0	1.68	.94	.48	.11	125	-53
Collegeville	74	36	51.2	-7.1	1.96	1.22	.40	.21	135	-69
Hutchinson	74	39	49.7	-8.2	1.47	.83	.69	3.41	147	-50
Melrose	74	30	49.0	-7.3	1.74	1.04	.55	.28	113	-61
Olivia	73	33	48.2	-9.1	1.58	.93	.43	-.63	138	-51
St. Cloud	74	39	51.1	-4.6	1.48	.87	.26	-.05	132	-37
Staples	75	36	48.9	-5.3	1.51	.88	.68	-.21	106	-47
Wadena	74	28	46.8	-7.1	1.70	1.07	.86	.21	91	-57
Willmar	74	38	49.5	-7.6	1.58	.93	.12	1.96	121	-66
<u>EC DIST 6</u>										
Aitkin	75	36	47.8	-5.0	1.83	1.17	2.14	1.19	111	-24
Forest Lake	77	30	50.3	-6.4	1.90	1.16	.94	.71	157	-27
Hinckley	73	26	47.4	-5.9	2.03	1.30	1.31	.87	110	-28
MSP Airport	74	41	53.2	-5.2	1.31	.62	.08	.54	157	-47
St. Paul - UofM	73	40	50.9	-7.0	1.08	.29	-.47	-.59	136	-64
<u>SW DIST 7</u>										
Lamberton	74	37	49.7	-8.1	1.45	.74	-.26	-.03	146	-52
Marshall	74	34	49.3	-8.7	1.75	1.07	.38	-.40	146	-51
Pipestone	72	36	48.6	-8.1	2.55	1.83	1.78	.97	125	-58
Redwood Falls	76	40	52.8	-6.5	1.53	.87	.64	-.12	153	-65
Worthington	71	38	47.8	-8.4	1.37	.66	.02	.16	130	-42
<u>SC DIST 8</u>										
Faribault	74	31	50.0	-6.3	1.32	.49	-.43	-1.21	175	-1
Mankato	73	31	49.0	-8.6	1.49	.76	.17	-.91	156	-39
Waseca	72	36	49.5	-7.9	1.25	.37	-.66	-1.33	153	-38
Winnebago	73	38	49.9	-7.8	.97	.11	-.57	-1.39	170	-30
<u>SE DIST 9</u>										
Preston	71	36	49.4	-6.2	2.12	1.26	1.75	.99	169	2
Red Wing	78	32	50.2	-7.3	.56	-.21	-.77	-1.10	161	-32
Rochester	70	39	50.8	-5.1	1.04	.26	-.35	-1.46	151	-20
Rosemount	73	31	49.0	-7.5	1.67	.79	-.10	-.46	147	-33
Winona	68	33	48.8	-8.7	1.34	.50	.84	-.52	137	-56

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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